

FIG. 1

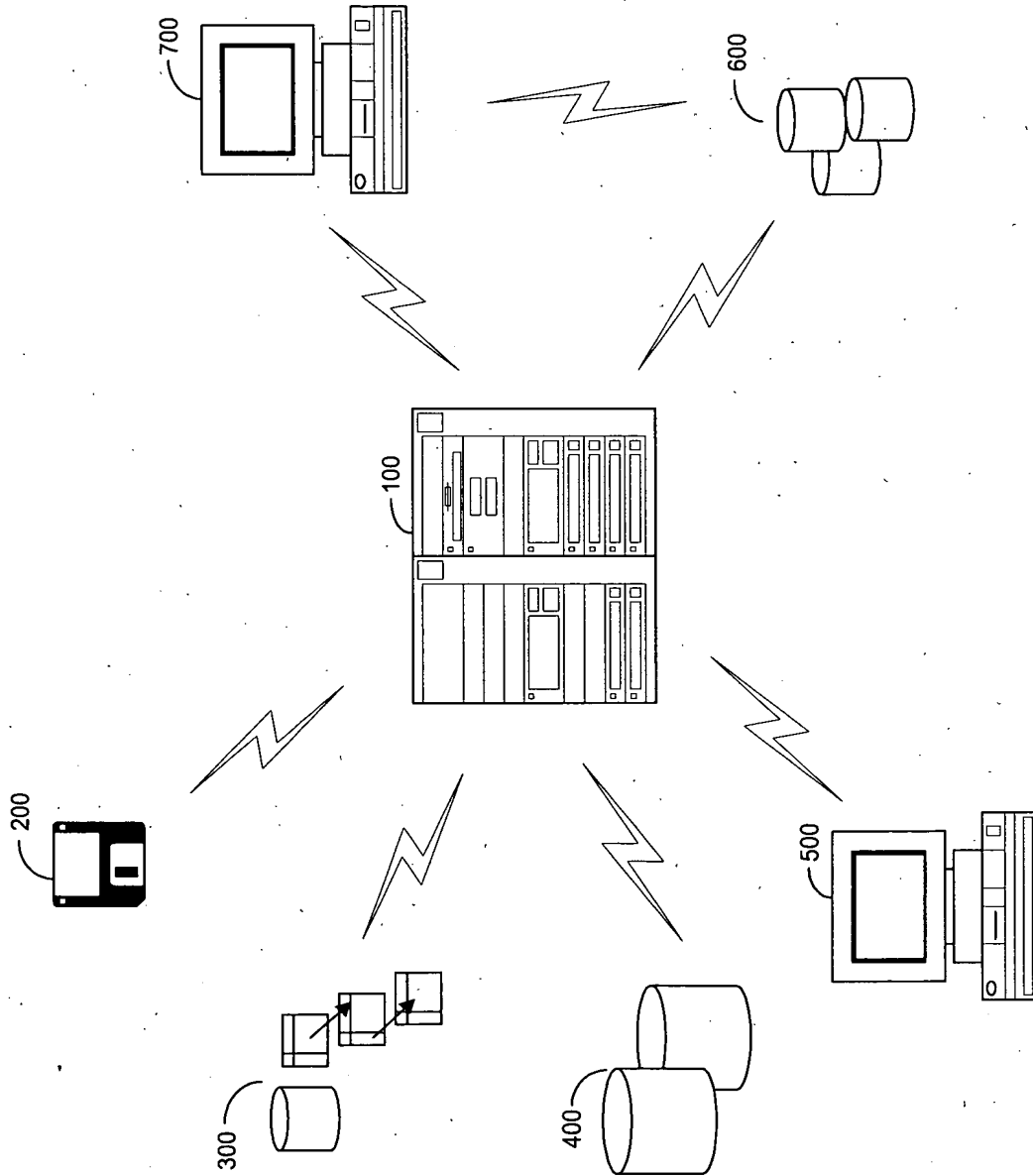


FIG. 1

FIG. 2

100

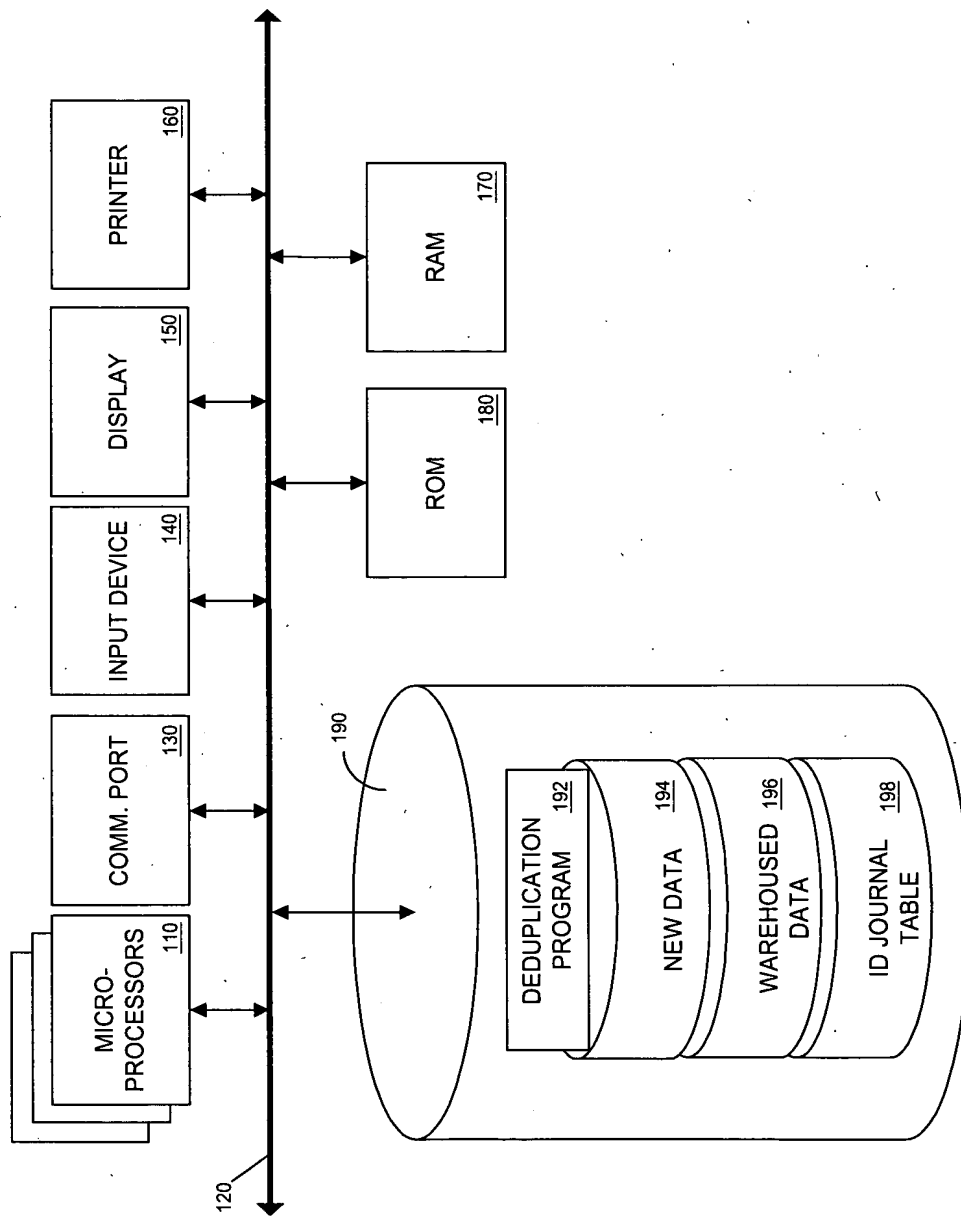


FIG. 2

```

graph TD
    S301[RECEIVE RECORDS  
S301] --> S302[FORMAT RECORDS  
S302]
    S302 --> S303[IDENTIFY ANONYMOUS  
RECORDS S303]
    S303 --> S304[IDENTIFY HOAX  
RECORDS S304]
    S304 --> S305[DETERMINE BY-  
GROUPS S305]
    S305 --> S306[IDENTIFY IDENTICAL  
RECORDS WITHIN  
BY-GROUPS S306]
    S306 --> S307[IDENTIFY DUPLICATE  
RECORDS USING  
BUSINESS RULES  
S307]
    S307 --> S308[DETERMINE VALUES  
REPRESENTING  
DIFFERENCES  
BETWEEN RECORDS OF  
EACH BY-GROUP S308]
    S308 --> S309[AUTOMATICALLY  
DETERMINE DUPLICATE  
AND UNIQUE RECORDS  
S309]
    S309 --> S310[RECEIVE MANUAL  
DETERMINATION  
OF MATCH-  
CONTROL GROUP  
RECORDS S310]
    S310 --> S311[STORE RECORDS  
ALONG WITH  
ASSIGNED  
CUSTOMER IDs  
S311]

```

FIG. 3

102011 1200001

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RECORD NUMBER ⁴⁰¹	FIRST NAME ⁴⁰²	SURNAME ⁴⁰³	ZIP ⁴⁰⁴	CITY ⁴⁰⁵	STREET ⁴⁰⁶	HOUSE NUMBER ⁴⁰⁷	BIRTHDATE ⁴⁰⁸
035	MICKEY	MOUSE	00000	ANAHEIM	MAIN	123	0/0/00
HJ2	JOHN	SMITH	06420	NEW TOWN	ELM	111	6/4/60
9400	J.	SMITH	06420	NEW	ELM	111	6/4/60
01101	KATHY	JONES	99013	OLD TOWN	CENTER	222	
01110	KATHLEEN	JONES	99013	OLD TOWN	CENTER	222	
3Z-27K	JACK	SMITH	06420	NEWTOWN	ELM	111	6/4/60
849-3SBD							
3	JOHN	SMITH	06420	NEW TOWN	ELM	111	6/4/60
XYZ	JOHN	SMITH	06430	NEW TOWN	ELM	111	6/4/60

FIG. 4

T02077 T200007

194

RECORD NUMBER ₄₀₁	FIRST NAME ₄₀₂	SURNAME ₄₀₃	ZIP ₄₀₄	CITY ₄₀₅	STREET ₄₀₆	HOUSE NUMBER ₄₀₇	BIRTHDATE ₄₀₈
HJ2	JOHN	SMITH	06420	NEW TOWN	ELM	111	6/4/60
9400	J.	SMITH	06420	NEW	ELM	111	6/4/60
01101	KATHY	JONES	99013	OLD TOWN	CENTER	222	
01110	KATHLEEN	JONES	99013	OLD TOWN	CENTER	222	
3Z-27K	JACK	SMITH	06420	NEWTOWN	ELM	111	6/4/60
3	JOHN	SMITH	06420	NEW TOWN	ELM	111	6/4/60
XYZ	JOHN	SMITH	06430	NEW TOWN	ELM	111	6/4/60

FIG. 5

610

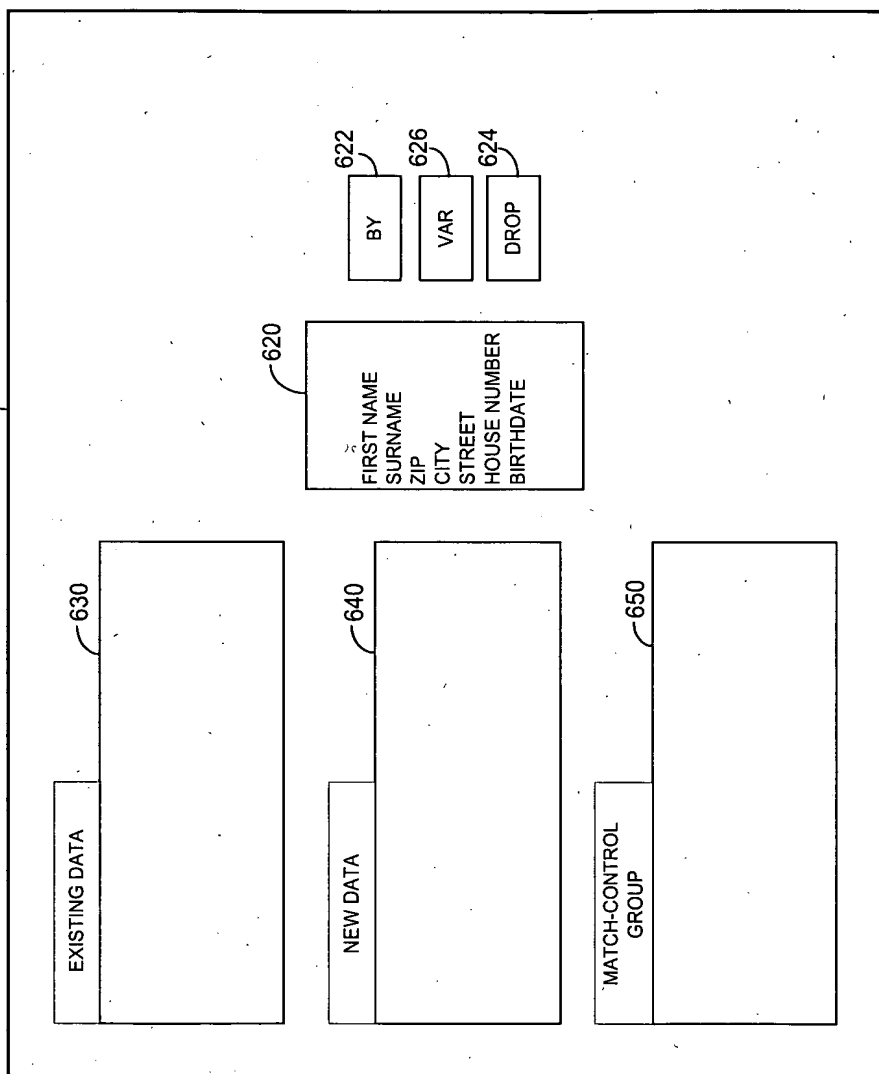


FIG. 6

102011-1200001

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RECORD NUMBER ⁴⁰¹	FIRST NAME ⁴⁰²	SURNAME ⁴⁰³	ZIP ⁴⁰⁴	CITY ⁴⁰⁵	STREET ⁴⁰⁶	HOUSE NUMBER ⁴⁰⁷	BIRTHDATE ⁴⁰⁸
HJ2	JOHN	SMITH	06420	NEW TOWN	ELM	111	6/4/60
9400	J.	SMITH	06420	NEW	ELM	111	6/4/60
3Z-27K	JACK	SMITH	06420	NEWTOWN	ELM	111	6/4/60
3	JOHN	SMITH	06420	NEW TOWN	ELM	111	6/4/60
01101	KATHY	JONES	99013	OLD TOWN	CENTER	222	
01110	KATHLEEN	JONES	99013	OLD TOWN	CENTER	222	
XYZ	JOHN	SMITH	06430	NEW TOWN	ELM	111	6/4/60

FIG. 7

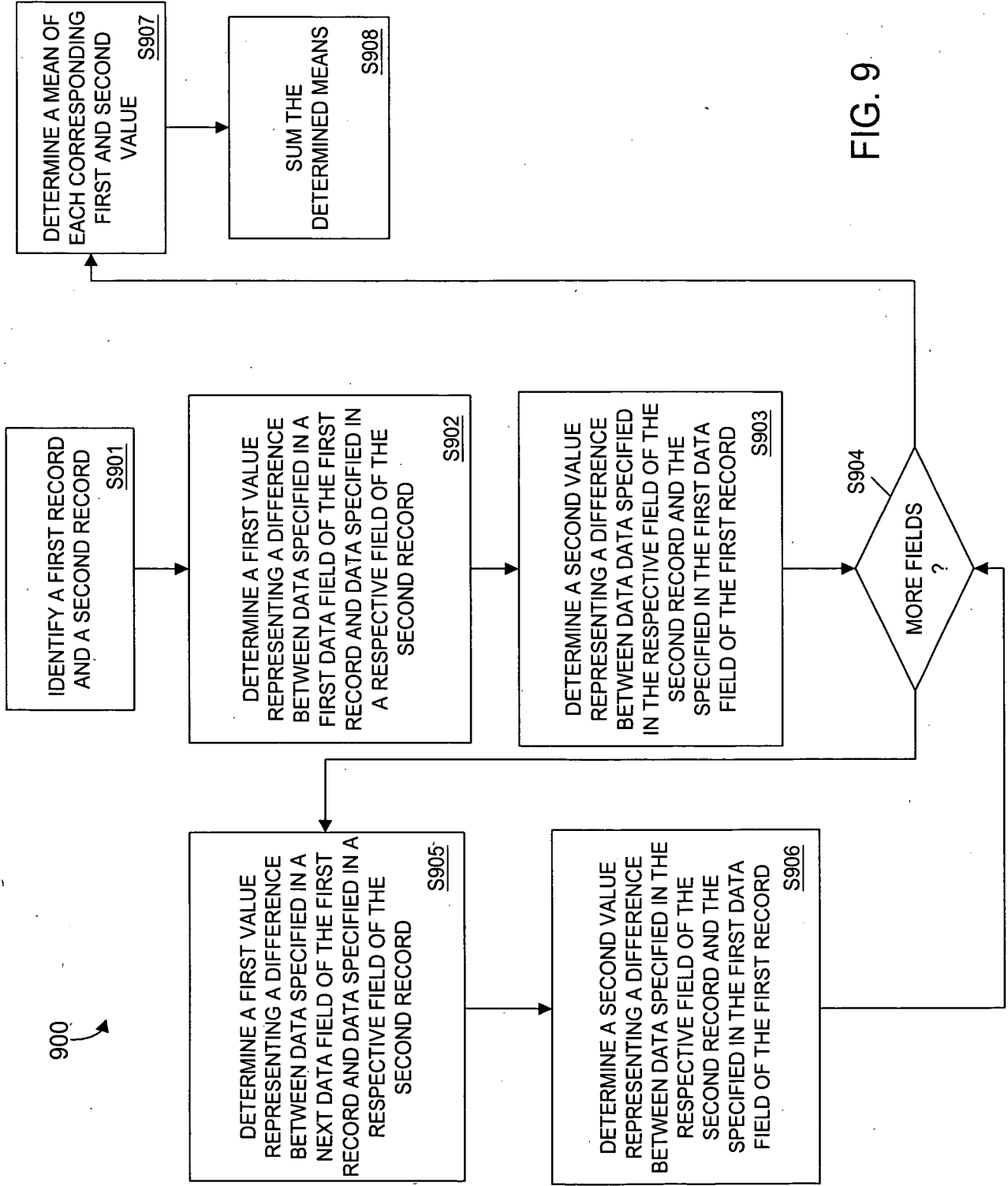


FIG. 9

T020T* F220000T

COMPARED RECORDS	DIFFERENCE VALUES
HJ2 & 9400	75
HJ2 & 3Z-27K	10
9400 & 3Z-27K	35
01101 & 01110	15

FIG. 10

REPORT T20000T

1100

MATCH-CONTROL GROUP RECORDS

9400, J., SMITH, 06420, NEW, ELM, 111, 6/4/60
3Z-27K, JACK, SMITH, 06420, NEWTOWN, ELM, 111, 6/4/60

DIFFERENCE VALUE = 35



1110

FIG. 11

1020111200001

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CUSTOMER ID ⁵⁰¹	RECORD NUMBER ⁵⁰²	FIRST NAME ⁵⁰³	SURNAME ⁵⁰⁴	ZIP ⁵⁰⁵	CITY ⁵⁰⁶	STREET ⁵⁰⁷	HOUSE NUMBER ⁵⁰⁸	BIRTHDATE ⁵⁰⁹
01-001	HJ2	JOHN	SMITH	06420	NEW TOWN	ELM	111	6/4/60
01-001	3Z-27K	JACK	SMITH	06420	NEWTOWN	ELM	111	6/4/60
01-001	3	JOHN	SMITH	06420	NEW TOWN	ELM	111	6/4/60
01-002	9400	J.	SMITH	06420	NEW	ELM	111	6/4/60
01-003	01101	KATHY	JONES	99013	OLD TOWN	CENTER	222	
01-003	01110	KATHLEEN	JONES	99013	OLD TOWN	CENTER	222	
01-004	XYZ	JOHN	SMITH	06430	NEW TOWN	ELM	111	6/4/60

FIG. 12

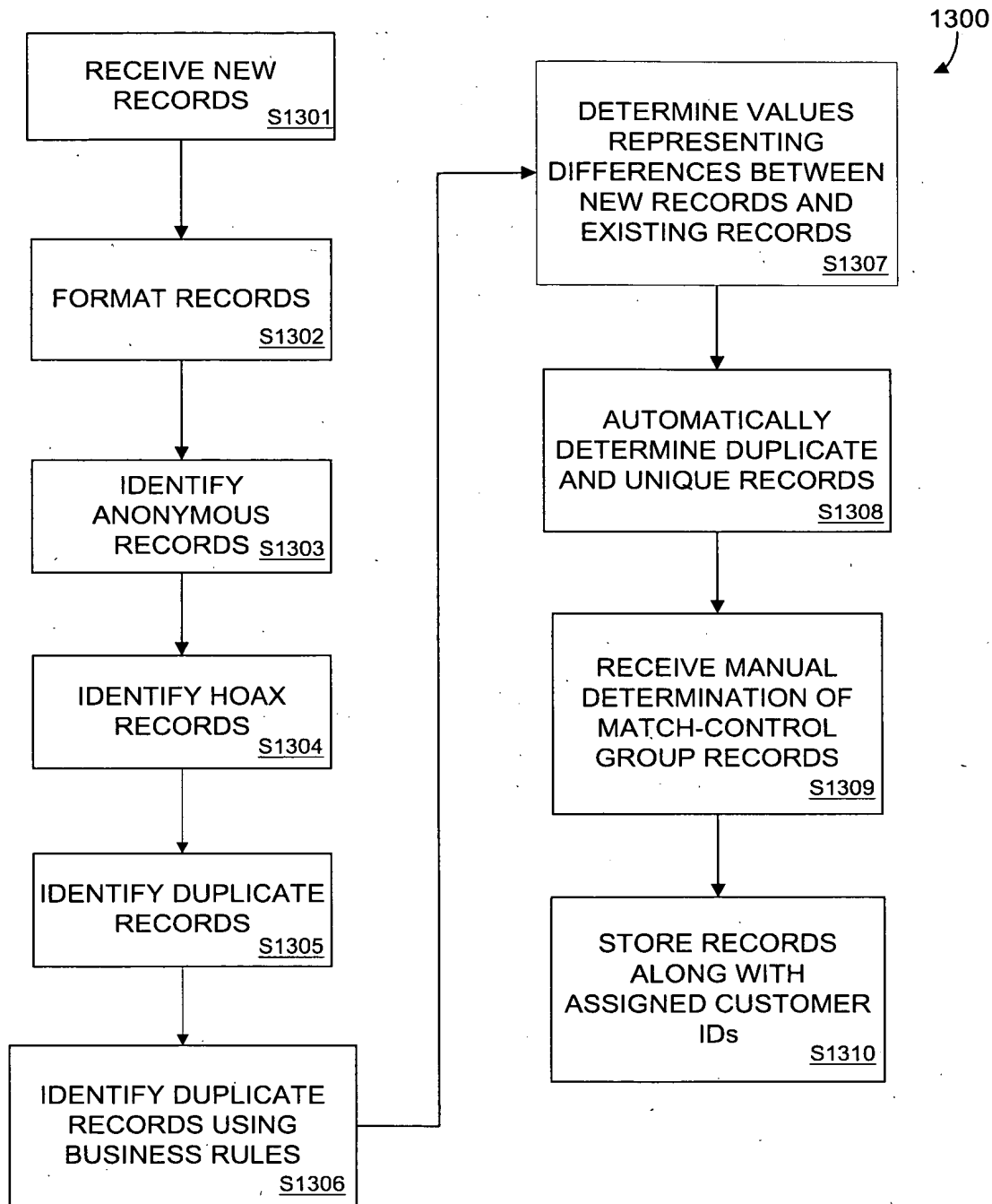
[illegible]

FIG. 13

T0201T T20000T

194

RECORD NUMBER ⁴⁰¹	FIRST NAME ⁴⁰²	SURNAME ⁴⁰³	ZIP ⁴⁰⁴	CITY ⁴⁰⁵	STREET ⁴⁰⁶	HOUSE NUMBER ⁴⁰⁷	BIRTHDATE ⁴⁰⁸
X439	JOHN	SMYTH	06420	NEW TOWN	ELM		
X440	J.	SMITH	06420	NEW TOWN	ELM		
2-195	KATHY	JONES	99015	OLD TOWN	CENTRE	223	6/9/65

FIG. 14

REPORT 7/200001

COMPARED RECORDS	DIFFERENCE VALUES
X439 & HJ2	20
X439 & 9400	75
X439 & 3Z-27K	50
X439 & 3	20
X439 & 01101	190
X439 & 01110	195
X439 & XYZ	50
X440 & HJ2	35
X440 & 9400	15
X440 & 3Z-27K	70
X440 & 3	35
X440 & 01101	175
X440 & 01110	180
X440 & XYZ	65
2-195 & HJ2	125
2-195 & 9400	145
2-195 & 3Z-27K	140
2-195 & 3	125
2-195 & 01101	40
2-195 & 01110	50
2-195 & XYZ	170

FIG. 15

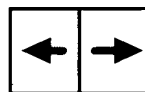
70201-120001

1100

MATCH-CONTROL GROUP RECORDS

HJ2, JOHN, SMITH, 06420, NEW TOWN, ELM, 111, 6/4/60
X439, JOHN, SMYTH, 06420, NEW TOWN, ELM

DIFFERENCE VALUE = 20



DUPLICATES

UNIQUE

FIG. 16

102011 12200007

196

CUSTOMER ID	RECORD NUMBER	FIRST NAME	SURNAME	ZIP	CITY	STREET	HOUSE NUMBER	BIRTHDATE
01-001	HJ2	JOHN	SMITH	06420	NEW TOWN	ELM	111	6/4/60
01-001	3Z-27K	JACK	SMITH	06420	NEWTOWN	ELM	111	6/4/60
01-001	3	JOHN	SMITH	06420	NEW TOWN	ELM	111	6/4/60
01-001	X439	JOHN	SMYTH	06420	NEW TOWN	ELM		
01-001	X440	J.	SMITH	06420	NEW TOWN	ELM		
01-002	9400	J.	SMITH	06420	NEW	ELM	111	6/4/60
01-003	01101	KATHY	JONES	99013	OLD TOWN	CENTER	222	
01-003	01110	KATHLEEN	JONES	99013	OLD TOWN	CENTER	222	
01-003	2-195	KATHY	JONES	99015	OLD TOWN	CENTRE	223	6/9/65
01-004	XYZ	JOHN	SMITH	06430	NEW TOWN	ELM	111	6/4/60

FIG. 17

1000071 10201

FIG. 18